

TABLE I-continued

DRUG COMBINATIONS (Tramadol:APAP)	TRAMADOL:APAP DOSE (mg/kg, p.o.)			ED ₅₀ 30 min (95% CI's)	
	Tramadol	APAP	analgesia	Tramadol	APAP
APAP only	0.5	800	30/30	—	164.3 (122.7-219.9)
	0	30	2/15		
	0	40	12/43		
	0	50	1/15		
	0	60	8/30		
	0	80	23/60		
	0	100	13/30		
	0	120	13/30		
	0	160	10/30		
	0	200	13/25		
	0	240	14/25		
	0	400	12/15		
	0	800	13/15		

We claim:

1. A pharmaceutical composition comprising a tramadol material and acetaminophen, wherein the ratio of the tramadol material to acetaminophen is a weight ratio from about 1:1 to about 1:1600.
2. The pharmaceutical composition of claim 1 wherein the tramadol material is tramadol hydrochloride.
3. The pharmaceutical composition of claim 2 wherein the tramadol hydrochloride is racemic.
4. The pharmaceutical composition of claim 1 wherein the weight ratio is about 1:1.
5. The pharmaceutical composition of claim 1 wherein the weight ratio is from about 1:5 to about 1:1600.
6. The pharmaceutical composition of claim 5 wherein the weight ratio is about 1:5.
7. The pharmaceutical composition of claim 5 wherein the weight ratio is from about 1:19 to about 1:800.
8. The pharmaceutical composition of claim 7 wherein the weight ratio is from about 1:19 to about 1:50.
9. The pharmaceutical composition of claim 1 further comprising a pharmaceutically acceptable carrier.
10. The pharmaceutical composition of claim 1 further comprising a decongestant or bronchodilator.
11. The pharmaceutical composition of claim 1 further comprising an antitussive.
12. The pharmaceutical composition of claim 1 further comprising an antihistamine or a non-sedating antihistamine.
13. The pharmaceutical composition of claim 1 further comprising a muscle relaxant.
14. The pharmaceutical composition of claim 1 further comprising a sleep aid.
15. A method for treating a pain in a mammal comprising an administration to the mammal an effective amount of the pharmaceutical composition of claim 1.

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